

Furthermore, this polyester yarn can be obtained by a method of producing polyester yarn which is characterized in that multifilament yarn obtained by the melt spinning of polymer substantially comprising polytrimethylene terephthalate of intrinsic viscosity $[\eta]$ at least 0.7 is hauled-off at a spinning rate of at least 2000 m/min and, without winding up, subjected to drawing and heat-treatment, after which it is continuously subjected to a relaxation heat treatment at a relaxation factor of 6 to 20% and wound-up as a package.

Moreover, woven fabric of the present invention has the following constitution. Specifically, it is a woven fabric which is characterized in that the aforesaid polyester yarn is used as the warp yarn and/or the weft yarn in the form of a twisted yarn of twist coefficient 10,000 to 20,000.